

SEQUENCE LISTING

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Hirota, Kiyonori
Sota, Hiroyuki

<120> Support having affinity for antibody

<130> 040894-7434-US

<140> 10575254

<141> 2007-06-05

<150> US 10/575,254

<151> 2006-04-10

<150> PCT/JP2004/014828

<151> 2004-10-07

<150> JP 2003-352937

<151> 2003-10-10

<160> 1

<170> PatentIn version 3.4

<210> 1

<211> 70

<212> PRT

<213> Artificial sequence

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<223> Protein for antibody immobilization

<400> 1

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Leu	Asn	Met	Pro	Asn	Leu	Asn	Glu	Glu	Gln	Arg	Asn	Gly	Phe	Ile	Gln
			20						25				30		

Ser	Leu	Lys	Asp	Asp	Pro	Ser	Gln	Ser	Ala	Asn	Leu	Leu	Ala	Glu	Ala
		35					40					45			

Lys	Lys	Leu	Asn	Glu	Ser	Gln	Ala	Pro	Lys	Gly	Gly	Gly	Gly	Cys	Ala
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Asp	Asp	Asp	Asp	Asp	Asp
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<210> 2

<211> 128

<212> PRT

<213> Artificial Sequence

<220>

<223> Protein for antibody immobilization

<400> 2

Ala Asp Asn Asn Phe Asn Lys Glu Gln Gln Asn Ala Phe Tyr Glu Ile
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Leu Asn Met Pro Asn Leu Asn Glu Glu Gln Arg Asn Gly Phe Ile Gln
20 25 30
Ser Leu Lys Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ser Glu Ala
35 40 45
Lys Lys Leu Asn Glu Ser Gln Ala Pro Lys Ala Asp Asn Asn Phe Asn
50 55 60
Lys Glu Gln Gln Asn Ala Phe Tyr Glu Ile Leu Asn Met Pro Asn Leu
65 70 75 80
Asn Glu Glu Gln Arg Asn Gly Phe Ile Gln Ser Leu Lys Asp Asp Pro
85 90 95
Ser Gln Ser Ala Asn Leu Leu Ser Glu Ala Lys Lys Leu Asn Glu Ser
100 105 110
Gln Ala Pro Lys Gly Gly Gly Gly Cys Ala Asp Asp Asp Asp Asp Asp
115 120 125

<210> 3

<211> 58

<212> PRT

<213> Artificial sequence

<220>

<223> A domain monomer

<400> 3

Ala Asp Asn Asn Phe Asn Lys Glu Gln Gln Asn Ala Phe Tyr Glu Ile
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Leu Asn Met Pro Asn Leu Asn Glu Glu Gln Arg Asn Gly Phe Ile Gln
20 25 30
Ser Leu Lys Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45
Lys Lys Leu Asn Glu Ser Gln Ala Pro Lys
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<210> 4

<211> 128

<212> PRT

<213> Artificial Sequence

<220>

<223> A domain dimer

<400> 4

Ala Asp Asn Asn Phe Asn Lys Glu Gln Gln Asn Ala Phe Tyr Glu Ile
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Leu Asn Met Pro Asn Leu Asn Glu Glu Gln Arg Asn Gly Phe Ile Gln
20 25 30

Ser Leu Lys Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ser Glu Ala
35 40 45

Lys Lys Leu Asn Glu Ser Gln Ala Pro Lys Ala Asp Asn Asn Phe Asn
50 55 60

Lys Glu Gln Gln Asn Ala Phe Tyr Glu Ile Leu Asn Met Pro Asn Leu
65 70 75 80

Asn Glu Glu Gln Arg Asn Gly Phe Ile Gln Ser Leu Lys Asp Asp Pro
85 90 95

Ser Gln Ser Ala Asn Leu Leu Ser Glu Ala Lys Lys Leu Asn Glu Ser
100 105 110

Gln Ala Pro Lys Gly Gly Gly Gly Cys Ala Asp Asp Asp Asp Asp Asp
115 120 125

<210> 5

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Linker peptide

<400> 5

Gly Gly Gly Gly Cys Ala Asp Asp Asp Asp Asp Asp
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<210> 6

<211> 216

<212> DNA

<213> Artificial Sequence

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<223> DNA encoding protein for antibody immobilization

<400> 6

atggctgata acaatttcaa caaagaacaa caaaatgctt tctatgaaat cttgaatatg 60

cctaacttaa acgaagaaca acgcaatggg ttcattccaaa gcttaaaaga tgacccaagc 120
caaagtgccta acctattgtc agaagctaaa aagttaaatg aatctcaagc accgaaaggt 180
ggcgggtggct gcgctgatga cgatgacgat gactaa 216

<210> 7

<211> 390

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA encoding protein for antibody immobilization

<400> 7

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cctaacttaa acgaagaaca acgcaatggg ttcattccaaa gcttaaaaga tgacccaagc 120
caaagtgccta acctattgtc agaagctaaa aagttaaatg aatctcaagc accgaaaggt 180
gataacaatt tcaacaaaga acaacaaaat gctttctatg aaatcttgaa tatgcctaac 240
ttaaacgaag aacaacgcaa tggtttcac caaagcttaa aagatgaccc aagccaaagt 300
gctaacctat tgtcagaagc taaaagttta aatgaatctc aagcaccgaa aggtggcggg 360
ggctgcgctg atgacgatga cgatgactaa 390

<210> 8

<211> 302

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA for transferring into vector

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tctatgaaat cttgaatatg cctaacttaa acgaagaaca acgcaatggg ttcattccaaa 180
gcttaaaaga tgacccaagc caaagtgccta acctattgtc agaagctaaa aagttaaatg 240
aatctcaagc accgaaaggt ggcgggtggct gcgctgatga cgatgacgat gactaagaat 300
tc 302

<210> 9

<211> 476

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA for transferring into vector

<400> 9

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cagcaaaaagg aggaacgact atggctgata acaatttcaa caaagaacaa caaatgctt 120
tctatgaaat cttgaatatg cctaacttaa acgaagaaca acgcaatggg ttcattccaaa 180
gcttaaaaga tgacccaagc caaagtgccta acctattgtc agaagctaaa aagttaaatg 240
aatctcaagc accgaaaggt gataacaatt tcaacaaaga acaacaaaat gctttctatg 300

aaatcttgaa tatgcctaac ttaaacgaag aacaacgcaa tggtttcac caaagcttaa 360
aagatgaccc aagccaaagt gctaacctat tgtcagaagc taaaaagtta aatgaatctc 420
aagcaccgaa aggtggcggt ggctgcgctg atgacgatga cgatgactaa gaattc 476

<210> 10

<211> 74

<212> DNA

<213> Artificial Sequence

<220>

<223> Additional DNA sequence for gene expression

<400> 10

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aaggaggaac gact 74